

**ABSTRACT**

The invention relates to a microwave mixer/dryer/reactor for industrial use. The inventive machine has a three-fold purpose, namely to: a) mix solid products with solids, solids with liquids and solids with very viscous fluids; b) dry aforementioned products; and c) initiate reaction between said products by means of suitable microwave discharge from a generator which is specially connected to the shaft of the machine. Said machine can be used to perform one or two of said functions or all the functions together.

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